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Dated: April 22, 2004

Signature: *[Handwritten Signature]*

(Print Name)

*Rebecca Butler*

Docket No.: 53807-00050USPT  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Björn Bjäre et al.

Application No.: 10/666699

Group Art Unit: 2686

Filed: September 19, 2003

Examiner: Not Yet Assigned

For: MIDDLEWARE APPLICATION  
MESSAGE/EVENT MODEL

**TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed are the following items for filing in connection with the above-referenced Patent Application:

1. Information Disclosure Statement (2 pages);
2. IDS (Citation) by Applicant (2 pages; references AA-AK, BA-BI, CA-CO); and
3. Postcard Acknowledgment.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this

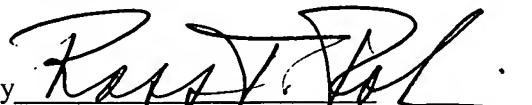
Application No.: 10/666699

Docket No.: 53807-00050USPT

application by this firm) to our Deposit Account No. 10-0447, under Order No. 53807-00050USPT. A duplicate copy of this paper is enclosed.

Dated: April 22, 2004

Respectfully submitted,

By 

Ross T. Robinson

Registration No.: 47,031

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Docket No.: 53807-00050USPT  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Björn Bjäre et al.

Application No.: 10/666699

Confirmation No.: 1996

Filed: September 19, 2003

Art Unit: 2686

For: MIDDLEWARE APPLICATION  
MESSAGE/EVENT MODEL

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on the PTO/SB/08 is attached.

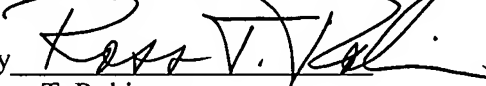
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 10-0447, under Order No. 53807-00050USPT. A duplicate copy of this paper is enclosed.

Dated: April 22, 2004

Respectfully submitted,

By 

Ross T. Robinson

Registration No.: 47,031

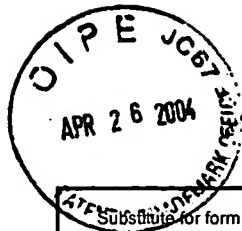
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ALTERNATIVE TO PTO/SB/08a/b (06-03)

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/666699
				Filing Date	September 19, 2003
				First Named Inventor	Björn Bjäre
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	53807-00050USPT

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-6,317,659 B1	11-13-2001	Lindsley et al.	
	AB	US-2002/0029378 A1	03-07-2002	Larsson	
	AC	US-2002/0069065 A1	06-06-2002	Schmid et al.	
	AD	US-6,269,396 B1	07-31-2001	Shah et al.	
	AE	US-5,689,565	11-18-1997	Spies et al.	
	AF	US-10/359911			
	AG	US-10/359772			
	AH	US-10/359835			
	AI	US-10/666673			
	AJ	US-10/664618			
	AK	US-10/665834			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	WO 97/16938	05-09-1997	Nokia Telecommunications OY		
	BB	EP1074911 A2	02-07-2001	Gregor J. Kiczales et al.		
	BC	WO 01/88707 A2	11-22-2001	Rahim Tafazolli et al.		
	BD	WO 01/14960 A2	03-01-2001	Jean-Pierre Dalmaso		
	BE	WO 02/35351 A1	05-02-2002	Morten Nielsen et al.		
	BF	WO 98/19239	05-07-1998	Christopher J. Thompson		
	BG	WO 00/08611	02-17-2000	Forough Kashef		
	BH	WO 02/33879 A2	04-25-2002	Stefan Anderson		
	BI	WO 00/69084	11-16-2000	Morphics Technology Inc.		

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Manuel Rodriguez-Martinez et al., "Automatic Deployment of Application-Specific Metadata and Code in MOCHA", Lecture Notes in Computer Science, March 31, 2000 (pgs. 69-85).	
	CB	N.J. Drew et al., "Reconfigurable Mobile Communications: Compelling Needs and Technologies to Support Reconfigurable Terminals", IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC. Wireless: Merging onto the Information Superhighway, vol. 1, September 18, 2000 (pgs. 484-489).	
	CC	Aspects & Crosscutting in Layered Middleware Systems by Lodewijk M.J. Bergmans et al.; Trese Group-Center for Telematics and Information Technology (CTIT); Pages 1-3.	
	CD	Supporting the Design of Adaptable Operating Systems Using Aspect-Oriented Frameworks by Paniti Netinant et al.; International Conference on Parallel and Distributed Processing	
Examiner Signature			Date Considered

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/666699
				Filing Date	September 19, 2003
				First Named Inventor	Björn Bjäre
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	53807-00050USPT

		Techniques and Applications (PDPTA 2000); Las Vegas, Nevada; June 26-29, 2000; 7 Pages.	
	CE	A Layered Approach to Building Open Aspect-Oriented Systems by Paniti netinant et al.; Communications of the AC; October 2001; Vol. 44, No. 10; Pages 83-85.	
	CF	Aspect-Oriented Programming by Silvia Breu; Pages 1-22.	
	CG	Draft: Aspect-Design in the Building-Block Method by Jurgen K. Muller; Philips Research Laboratories; International Workshop on Aspect-Oriented Programming at ECOOP, 1992; 3 Pages.	
	CH	A Version Model for Aspect Dependency Management by Elke Pulvermuller et al.; J. Bosh (Ed.): GCSE 2001, LNCS 2186, Springer-Verlag Berlin Heidelberg 2001, Pages 70-79.	
	CI	Can AOP Support Extensibility in Client-Serer Architectures? by Yvonne Coady et al.; European Conference on Object-Oriented Programming (ECOOP); Aspect-Oriented Workshop, June 2001; Pages 1-4.	
	CJ	Mapping Requirements to Architecture: an Experience Report from the VIVIAN Project by Titos Saridakis; Proceedings of the 14th International Conference on Software and Systems Engineering and their Applications, December 2001; Pages 1-6.	
	CK	Functionality Needed in Middleware for Future Mobile Computing Platforms by Kimmo Raatikainen; Middleware for Mobile Computing Workshop held at IFIP/ACM Middleware Conference, Heidelberg, Germany, 2001; 10 Pages.	
	CL	Design and Implementation of Java Application Environment and Software Platform for Mobile Phones, by Kazutoshi Usui, Hiroyuki Tomimori, Junji Takagi, Tomohisa Tanaka and Yukikazu Nakamoto; XP-001092568; Special Issue on IMT2000 Mobile Communication System; October 2001; Pages 379-383.	
	CM	Container-Managed Messaging: An Architecture for Integrating Java Components and Message-Oriented Applications by Ignacio Silva-Lepe, Christopher Codella, Peter Niblett, Donald Ferguson, Proceedings of the 37th International Conference on Technology of Object-Oriented Languages and Systems (Tools-Pacific 2000), Sydney, NSW, Australia, November 20- 23, 2000; Pages 228-241.	
	CN	K. Moessner, et al., "Terminal Reconfigureability-The Optima Framework" 3G Mobile Communication Technologies, no. 477, XP002266662, March 26-28 2001, (pgs. 241-246).	
	CO	K. Moessner, et al., "Terminal Reconfigureability-The Software Download Aspect", 3G Mobile Communication Technologies, Conference Publication, no. 471, XP002266663, (pgs. 326-330).	

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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